

IN THE CLAIMS

For the convenience of the Examiner all pending claims of the present Application are shown below whether or not an amendment has been made.

1. (Currently Amended) A method comprising:
receiving a call setup request associated with a voice over packet (VoP) call between an origination and a destination;
prior to establishing the VoP call, determining whether bandwidth is available on a communication link between the origination and the destination; and
presenting at least one call completion option for a call originator associated with the call setup request when bandwidth is not available.
2. (Original) The method according to Claim 1, wherein the call completion option comprises an alternate network option and further comprising:
receiving a selection of the alternate network option; and
establishing a connection between the origination and the destination using a public switched telephone network in response to the selection by the call originator.
3. (Original) The method according to Claim 2, wherein establishing the connection comprises establishing the connection between the origination and the destination through a gateway coupled to the public switched telephone network.
4. (Currently Amended) The method according to Claim 1, wherein the call completion option comprises a hold option and further comprising:
receiving a selection of the hold option;
storing the call setup request in response to the selection of the hold option;
determining when the bandwidth is available; and
establishing a connection between the origination and the destination ~~using a packet switched network~~ when the bandwidth is available.

5. (Currently Amended) The method according to Claim 1, wherein the call completion option comprises a ring back option and further comprising:

receiving a selection of the ring back option;
storing the call setup request in response to the selection of the ring back option;
determining when the bandwidth is available;
establishing a connection between the origination and the destination ~~using a packet switched network~~; and
alerting the call originator that the VoP call will proceed.

6. (Original) The method according to Claim 1, and further comprising:
determining available bandwidth on a link to complete the VoP call; and
reducing available bandwidth by the bandwidth used to complete the VoP call.

7. (Original) The method according to Claim 6, and further comprising updating a call status table in response to completing the VoP call, the call status table comprising a status indication and the status indication comprising an indication of the status of the VoP call.

8. (Original) The method according to Claim 1, wherein presenting the call completion option comprises presenting the call completion option using an interactive voice response system.

9. (Original) The method according to Claim 1, wherein presenting the call completion option comprises presenting the call completion option using at least one programmable key associated with a phone.

10. (Original) The method according to Claim 1, wherein determining the amount of available bandwidth comprises consulting a bandwidth table, the bandwidth table comprising a first location, a second location, a maximum bandwidth indication and an available bandwidth indication.

11. (Original) The method according to Claim 1, wherein the origination and the destination respectively comprise devices that communicate audio information using data packets.

12. (Currently Amended) A phone comprising:
a memory;
an application stored in the memory;
a processor coupled to the memory, the processor, when executing the application, operable to:
receive a call denial message, the call denial message indicating that insufficient bandwidth exists to ~~complete~~ establish a phone call originated by a call originator;
determine at least one call completion option to communicate to the call originator; and
communicate the call completion option to the call originator.

13. (Original) The phone according to Claim 12, wherein the call completion option comprises an alternate network option and, the processor, when executing the application, is further operable to:
receive a selection of the alternate network option; and
establish a connection between an origination device associated with the call originator and a destination using a public switched telephone network in response to the selection by the call originator.

14. (Original) The phone according to Claim 12, wherein the determination of the call completion option to communicate to the call originator is based on a status associated with the call originator.

15. (Currently Amended) A method comprising:
initiating a Voice over Packet (VoP) call using a call setup request from an origination to a destination;
receiving a rejection of the establishment of the VoP call at the origination;
displaying a call completion option at the origination in response to the rejection; and
receiving the selection of the call completion option by a user associated with the origination.

16. (Currently Amended) The method according to Claim 15, wherein the call completion option comprises a hold option and further comprising:
storing the call setup request in response to the selection of the hold option;
determining when the bandwidth is available; and
establishing a connection between the origination and the destination ~~using a packet switched network.~~

17. (Original) The method according to Claim 15, wherein the call completion option comprises an alternate network option and further comprising establishing a connection between the origination and the destination using a public switched telephone network in response to the selection of the call completion option by the call originator.

18. (Original) The method according to Claim 15, wherein displaying the call completion option comprises programming a programmable key associated with the origination.

19. (Currently Amended) A system comprising:
means for initiating a Voice over Packet (VoP) call using a call setup request from an origination to a destination;
means for receiving a rejection of the establishment of the VoP call at the origination;
means for displaying a call completion option at the origination in response to the rejection; and
means for receiving the selection of the call completion option by a user associated with the origination.

20. (Currently Amended) The system according to Claim 19, wherein the call completion option comprises a hold option and further comprising:

means for storing the call setup request in response to the selection of the hold option;

means for determining when the bandwidth is available; and

means for establishing a connection between the origination and the destination ~~using a packet-switched network.~~

21. (Original) The system according to Claim 19, wherein the call completion option comprises an alternate network option and further comprising means for establishing a connection between the origination and the destination using a public switched telephone network in response to the selection of the call completion option by the call originator.

22. (Original) The system according to Claim 19, wherein the means for displaying the call completion option comprises means for programming a programmable key associated with the origination.

23. (Original) A method comprising:
receiving a call setup request associated with a voice over packet (VoP) call between an origination and a destination at a first call manager;
determining whether bandwidth is available on a first communications link;
communicating the call setup request to a second call manager coupled to the first call manager using a second communications link;
determining whether bandwidth is available on the second communication link at the second call manager; and
determining at least one call completion option at the first call manager for a call originator associated with the origination when bandwidth is not available on either of the first and second communications links.

24. (Original) The method according to Claim 23, wherein the call completion option comprises an alternate network option and further comprising:

receiving a selection of the alternate network option at the first call manager; and
establishing a connection between the origination and the destination using a public switched telephone network in response to the selection by the call originator.

25. (Original) The method according to Claim 24, wherein establishing the connection comprises establishing the connection between the origination and the destination through a gateway coupled to the public switched telephone network.

26. (Original) The method according to Claim 23, wherein the call completion option comprises a hold option and further comprising:

receiving a selection of the hold option at the first call manager;
storing the call setup request in response to the selection of the hold option at the first call manager;
determining when the bandwidth is available on the first and second communication links; and
establishing a connection between the origination and the destination using the first and second communication links.

27. (Original) The method according to Claim 23, wherein the call completion option comprises a ring back option and further comprising:

receiving a selection of the ring back option at the first call manager;
storing the call setup request in response to the selection of the ring back option at the first call manager;
determining when the bandwidth is available on the first and second communication links;
establishing a connection between the origination and the destination using the first and second communication links; and
alerting the call originator that call will proceed.

28. (Original) The method according to Claim 23, and further comprising updating a first call status table at the first call manager in response to completing the VoP call, the first call status table comprising a first status indication associated with the VoP call originating from the originator coupled to the first call manager, and the first status indication comprising an indication of the status of the VoP call originating from the originator coupled to the first call manager.

29. (Original) The method according to Claim 28, and further comprising synchronizing the first call status table with a second call status table at the second call manager, the second call status table comprising a second status indication associated with VoP calls originating from a further originator coupled to the second call manager, and the second status indication comprising an indication of the status of a VoP call originating from the further originator coupled to the second call manager.

30. (Currently Amended) An apparatus comprising:
a memory;
an application stored in the memory;
a processor coupled to the memory, the processor, when executing the application, operable to:
receive a call setup request associated with a voice over packet (VoP) call between an origination and a destination;
prior to the establishment of the VoP call, determine whether bandwidth is available on a communication link between the origination and the destination; and
present at least one call completion option for a call originator associated with the call setup request when bandwidth is not available.

31. (Original) The apparatus according to Claim 30, wherein the call completion option comprises an alternate network option and wherein the processor, when executing the application, is further operable to:
receive a selection of the alternate network option; and
establish a connection between the origination and the destination using a public switched telephone network in response to the selection by the call originator.

32. (Original) The apparatus according to Claim 31, wherein the processor, when executing the application, is further operable to establish the connection between the origination and the destination through a gateway coupled to the public switched telephone network.

33. (Currently Amended) The apparatus according to Claim 30, wherein the call completion option comprises a hold option and wherein the processor, when executing the application, is further operable to:

- receive a selection of the hold option;
- store the call setup request in response to the selection of the hold option;
- determine when the bandwidth is available; and
- establish a connection between the origination and the destination ~~using a packet switched network~~ when the bandwidth is available.

34. (Currently Amended) The apparatus according to Claim 30, wherein the call completion option comprises a ring back option and wherein the processor, when executing the application, is further operable to:

- receive a selection of the ring back option;
- store the call setup request in response to the selection of the ring back option;
- determine when the bandwidth is available;
- establish a connection between the origination and the destination ~~using a packet switched network~~; and
- alert the call originator that the VoP call will proceed.

35. (Original) The apparatus according to Claim 30, wherein the processor, when executing the application, is further operable to:

- determine available bandwidth on a link to complete the VoP call; and
- reduce available bandwidth by the bandwidth used to complete the VoP call.

36. (Original) The apparatus according to Claim 35, wherein the processor, when executing the application, is further operable to update a call status table in response to completing the VoP call, the call status table comprising a status indication and the status indication comprising an indication of the status of the VoP call.

37. (Original) The apparatus according to Claim 30, wherein the processor, when executing the application, is further operable to present the call completion option using an interactive voice response system.

38. (Original) The apparatus according to Claim 30, wherein the processor, when executing the application, is further operable to present the call completion option using at least one programmable key associated with a phone.

39. (Original) The apparatus according to Claim 30, wherein the processor, when executing the application, is further operable to consult a bandwidth table, the bandwidth table comprising a first location, a second location, a maximum bandwidth indication and an available bandwidth indication.

40. (Original) The apparatus according to Claim 30, wherein the origination and the destination respectively comprise devices that communicate audio information using data packets.

41. (Currently Amended) A call manager apparatus comprising:
a memory;
an application stored in the memory;
a processor coupled to the memory, the processor, when executing the application, operable to:
receive a call setup request associated with a voice over packet (VoP) call between an origination and a destination;
prior to the establishment of the VoP call, determine whether bandwidth is available on a communications link;
communicate the call setup request to a remote call manager coupled using a second communications link; and
determine at least one call completion option for a call originator associated with the origination when bandwidth is not available on the communications link.

42. (Original) The apparatus according to Claim 41, wherein the call completion option comprises an alternate network option and wherein the processor, when executing the application, is further operable to:
receive a selection of the alternate network option; and
establish a connection between the origination and the destination using a public switched telephone network in response to the selection by the call originator.

43. (Original) The apparatus according to Claim 42, wherein the processor, when executing the application, is further operable to establish the connection between the origination and the destination through a gateway coupled to the public switched telephone network.

44. (Original) The apparatus according to Claim 41, wherein the call completion option comprises a hold option and wherein the processor, when executing the application, is further operable to:

- receive a selection of the hold option;
- store the call setup request in response to the selection of the hold option;
- determine when the bandwidth is available on the communication link; and
- establish a connection between the origination and the destination using the communication link.

45. (Original) The apparatus according to Claim 41, wherein the call completion option comprises a ring back option and wherein the processor, when executing the application, is further operable to:

- receive a selection of the ring back option;
- store the call setup request in response to the selection of the ring back option;
- determine when the bandwidth is available on the communication link;
- establish a connection between the origination and the destination using the communication link; and
- alerting the call originator that call will proceed.

46. (Original) The method according to Claim 41, and wherein the processor, when executing the application, is further operable to update a first call status table in response to completing the VoP call, the first call status table comprising a first status indication associated with the VoP call originating from the originator, and the first status indication comprising an indication of the status of the VoP call originating from the originator.

47. (Original) The method according to Claim 46, and wherein the processor, when executing the application, is further operable to synchronize the first call status table with a second call status table at the remote call manager, the second call status table comprising a second status indication associated with VoP calls originating from a further originator coupled to the remote call manager, and the second status indication comprising an indication of the status of a VoP call originating from the further originator coupled to the remote call manager.

48. (Currently Amended) A system comprising:
software embodied in computer readable media and operable to:
receive a call setup request associated with a voice over packet (VoP) call between an origination and a destination;
prior to the establishment of the VoP call, determine whether bandwidth is available on a communication link between the origination and the destination; and
present at least one call completion option for a call originator associated with the call setup request when bandwidth is not available.

49. (Previously Presented) The system according to Claim 48, wherein the call completion option comprises an alternate network option and wherein the software is further operable to:
receive a selection of the alternate network option; and
establish a connection between the origination and the destination using a public switched telephone network in response to the selection by the call originator.

50. (Previously Presented) The system according to Claim 49, wherein establishing the connection comprises establishing the connection between the origination and the destination through a gateway coupled to the public switched telephone network.

51. (Currently Amended) The system according to Claim 48, wherein the call completion option comprises a hold option and wherein the software is further operable to:

- receive a selection of the hold option;
- store the call setup request in response to the selection of the hold option;
- determine when the bandwidth is available; and
- establish a connection between the origination and the destination ~~using a packet switched network~~ when the bandwidth is available.

52. (Currently Amended) The system according to Claim 48, wherein the call completion option comprises a ring back option and wherein the software is further operable to:

- receive a selection of the ring back option;
- store the call setup request in response to the selection of the ring back option;
- determine when the bandwidth is available;
- establish a connection between the origination and the destination ~~using a packet switched network~~; and
- alert the call originator that the VoP call will proceed.

53. (Previously Presented) The system according to Claim 48, and wherein the software is further operable to:

- determine available bandwidth on a link to complete the VoP call; and
- reduce available bandwidth by the bandwidth used to complete the VoP call.

54. (Previously Presented) The system according to Claim 53, and wherein the software is further operable to update a call status table in response to completing the VoP call, the call status table comprising a status indication and the status indication comprising an indication of the status of the VoP call.

55. (Previously Presented) The system according to Claim 48, wherein presenting the call completion option comprises presenting the call completion option using an interactive voice response system.

56. (Previously Presented) The system according to Claim 48, wherein presenting the call completion option comprises presenting the call completion option using at least one programmable key associated with a phone.

57. (Previously Presented) The system according to Claim 48, wherein determining the amount of available bandwidth comprises consulting a bandwidth table, the bandwidth table comprising a first location, a second location, a maximum bandwidth indication and an available bandwidth indication.

58. (Previously Presented) The system according to Claim 48, wherein the origination and the destination respectively comprise devices that communicate audio information using data packets.

59. (Currently Amended) A phone comprising:
software embodied in computer readable media and operable to:
receive a call denial message, the call denial message indicating that insufficient bandwidth exists to ~~complete~~ establish a phone call originated by a call originator;
determine at least one call completion option to communicate to the call originator; and
communicate the call completion option to the call originator.

60. (Previously Presented) The phone according to Claim 59, wherein the call completion option comprises an alternate network option and wherein the software is further operable to:
receive a selection of the alternate network option; and
establish a connection between an origination device associated with the call originator and a destination using a public switched telephone network in response to the selection by the call originator.

61. (Previously Presented) The phone according to Claim 59, wherein the determination of the call completion option to communicate to the call originator is based on a status associated with the call originator.

62. (Currently Amended) A system comprising:
software embodied in computer readable media and operable to:
initiate a Voice over Packet (VoP) call using a call setup request from an origination to a destination;
receive a rejection of the establishment of the VoP call at the origination;
display a call completion option at the origination in response to the rejection;
and
receive the selection of the call completion option by a user associated with the origination.

63. (Currently Amended) The system according to Claim 62, wherein the call completion option comprises a hold option and wherein the software is further operable to:
store the call setup request in response to the selection of the hold option;
determine when the bandwidth is available; and
establish a connection between the origination and the destination ~~using a packet switched network~~.

64. (Previously Presented) The system according to Claim 62, wherein the call completion option comprises an alternate network option and further comprising establishing a connection between the origination and the destination using a public switched telephone network in response to the selection of the call completion option by the call originator.

65. (Previously Presented) The system according to Claim 62, wherein displaying the call completion option comprises programming a programmable key associated with the origination.

66. (Previously Presented) A system comprising:
software embodied in computer readable media and operable to:
receive a call setup request associated with a voice over packet (VoP) call
between an origination and a destination at a first call manager;
determine whether bandwidth is available on a first communications link;
communicate the call setup request to a second call manager coupled to the
first call manager using a second communications link;
determine whether bandwidth is available on the second communication link
at the second call manager; and
determine at least one call completion option at the first call manager for a call
originator associated with the origination when bandwidth is not available on either of the
first and second communications links.

67. (Previously Presented) The system according to Claim 66, wherein the call
completion option comprises an alternate network option and wherein the software is further
operable to:
receive a selection of the alternate network option at the first call manager; and
establish a connection between the origination and the destination using a public
switched telephone network in response to the selection by the call originator.

68. (Previously Presented) The system according to Claim 67, wherein
establishing the connection comprises establishing the connection between the origination
and the destination through a gateway coupled to the public switched telephone network.

69. (Previously Presented) The system according to Claim 66, wherein the call completion option comprises a hold option and wherein the software is further operable to:

receive a selection of the hold option at the first call manager;

store the call setup request in response to the selection of the hold option at the first call manager;

determine when the bandwidth is available on the first and second communication links; and

establishing a connection between the origination and the destination using the first and second communication links.

70. (Previously Presented) The system according to Claim 66, wherein the call completion option comprises a ring back option and wherein the software is further operable to:

receive a selection of the ring back option at the first call manager;

store the call setup request in response to the selection of the ring back option at the first call manager;

determine when the bandwidth is available on the first and second communication links;

establish a connection between the origination and the destination using the first and second communication links; and

alert the call originator that call will proceed.

71. (Previously Presented) The system according to Claim 66, and wherein the software is further operable to update a first call status table at the first call manager in response to completing the VoP call, the first call status table comprising a first status indication associated with the VoP call originating from the originator coupled to the first call manager, and the first status indication comprising an indication of the status of the VoP call originating from the originator coupled to the first call manager.

72. (Previously Presented) The system according to Claim 71, and wherein the software is further operable to synchronize the first call status table with a second call status table at the second call manager, the second call status table comprising a second status indication associated with VoP calls originating from a further originator coupled to the second call manager, and the second status indication comprising an indication of the status of a VoP call originating from the further originator coupled to the second call manager.

73. (New) A method comprising:
receiving a call setup request associated with a voice over packet (VoP) call between an origination and a destination;
determining whether bandwidth is available on a communication link between the origination and the destination;
presenting at least one call completion option for a call originator associated with the call setup request when bandwidth is not available, wherein the call completion option comprises a hold option;
receiving a selection of the hold option;
storing the call setup request in response to the selection of the hold option;
determining when the bandwidth is available; and
establishing a connection between the origination and the destination when the bandwidth is available.

74. (New) A method comprising:
receiving a call setup request associated with a voice over packet (VoP) call between an origination and a destination;
determining whether bandwidth is available on a communication link between the origination and the destination;
presenting at least one call completion option for a call originator associated with the call setup request when bandwidth is not available; and
wherein presenting the call completion option comprises presenting the call completion option using an interactive voice response system.